



# Webinar on Lean Construction 12<sup>th</sup> July 2021 Conducted by JUIT Student Chapter of IGBC

### Introduction

Jaypee University of Information and Technology's Student Chapter of Indian Green Building Council (IGBC) was inaugurated on 13<sup>th</sup> May 2021. The webinar on Lean construction dated 12<sup>th</sup> July 2021 was arranged and organised by JUIT student chapter of IGBC under Online Expert Lecture Series on Fundamental of Green Building Construction. The program focuses on the identification of lag activities, reason behind lag and their lean solution in simple and complex industry projects, by using 60+ lean tools and designs for different industry related problem. The webinar was beneficial to developers, builder's students and construction companies.

# **Webinar Structure**

The Lean Construction Webinar was organized in online mode via Webex platform and hosted by IGBC Chandigarh Chapter in association with Jaypee University of Information & Technology. Invitations to the Webinar were distributed by the host, the JUIT IGBC Team to their networks and students.

### **Lean Construction Webinar**

As the construction industry is migrating towards sustainability, efficient and better methods of construction, it's important to understand the concept and application of lean construction which includes 60+ lean tools and design for giving optimum solutions to problems related to delay or lag in the project which results in compromising the output of end clients. The objective of the webinar is to develop an understanding of lean construction with its application in simple and complex construction projects.

### **IGBC** Webinar Team and Schedule

1) **Mr. Jit Kumar Gupta**Chair, IGBC Chandigarh Chapter

- Welcome Remarks

Mr. Tony Jacob
 Director & Principal Consultant

- Technical Session

Constask Management Solution LLP

Mr Amit Srivastava
 Co-Chairman, IGBC UP Chapter

- Concluding Remarks

# Coordinated for JUIT by

1. Dr. Tanmay Gupta, Chairman, JUIT student Chapter of IGBC





# **Overview and Topic of Discussion**

Mr. Jit Kumar Gupta opened the webinar by providing an overview on Lean Construction and effectively linked it with the upliftment of work which will lead to benefit of society. Next Mr. Tony Jacob showed the grey shade of the construction industry, how they are struggling to achieve time, cost & quality at the same time which states the deficiency or gap in Macro and Micro Planning. To bridge the gap revamp is the alternate solution suggested by the speaker which works on a management methodology & approach that all constraints are on the same page without disturbing the workflow. Speaker also explains silo optimization which is the result of overburden due to a gap in workflow by delayed information, resources, etc. in which everyone will be worried about their output ignoring the overall project outcome, giving rise to the demand of lean construction having 60+ design and tools. The two design tools discussed were The Last Planner System LPS and Value Stream Mapping, the latter system was used to design the proper & predictable workflow by imparting value flow in the industry. Value Stream Mapping will help in evaluating and excluding the non-value adding services in the project which can obstruct the workflow, then after discussing the lean constructions for project professionals the advantages concerning Productivity, Time, Cost, Safety, and Quality were discussed. After the end of the Technical Session, Q & A or queries were discussed and proficiently answered by Mr. Tony Jacob. Mr. Amit Srivastava ended the webinar with his concluding remarks on lean construction.

Key Words – Silo Optimisation, Last Planner system, Value Mapping System.

# **Topic of Discussion**

- 1) Opening Remarks
- 2) Macro Micro Planning
- 3) Revamp Project Management
- 4) Why Lean Construction
- 5) Lean Perfect State
- 6) Lean Thinking

- 7) Tools and Design The Last Planner & Value Stream Mapping
- 8) Lean Construction for Project Professionals
- 9) Lean Construction Advantages
- 10) Q and A Session
- 11) Conclusion Remarks

### **Feedback from Students**

The feedback was conducted through a form circulated among the participants and the webinar was ranked Excellent. Students wished to learn more design and tools of lean construction in future endeavours.





# Selected Screen Shots from the webinar









